Abstract

Processes are described for the treatment of at least one particle (10 - 13) with at least one reaction liquid (20) in a main channel (30) of a fluidic microsystem (100) with the following steps: movement of the at least one particle (10 - 13) with a carrier liquid (40) flowing in a longitudinal direction of the main channel (30) up to a holding device (50), at least a temporary holding of the at least one particle (13) under the action of a holding force exerted by the holding device (50), and supplying of the reaction liquid (20) from at least one lateral channel (31) into the main channel (30) so that the at least one held particle (13) is rinsed by the reaction liquid (20), the holding device(50) being arranged downstream after a mouth (32) of the lateral channel(31) in the main channel (30) and the reaction liquid (20) flowing through the holding device (50) with a direction of flow running in the longitudinal direction of the main channel (30). Fluidic microsystems and electrode arrangements for realizing the processes are also described.

(Fig. 1)